

## **ABSTRACT**

An ultrasound irradiation apparatus which irradiates an ultrasonic wave to a desired area by selecting two or more piezoelectric elements and by changing the selected piezoelectric elements. The selection may be performed by mechanical movement of substrates or electrical switches. A size of an aperture defined by selected irradiating piezoelectric elements may be determined based on a focal distance of an ultrasonic wave focusing is performed by varying delay times of drive signals applied to the selected piezoelectric elements.